SEQUENCE LISTING

<110> IMAKAWA, Kazuhiko
NAGAOKA, Kentaro
WATANABE,Fumiko

<120> Regulator for Implantation

<130> 2005-0329A/WMC/01332

<140> 10/526,543
<141> 2005-03-03

<150> PCT/JP2003/011268
<151> 2003-09-03

<150> JP 2002-259268
<151> 2002-09-04

<160> 31

<170> PatentIn Ver. 2.0

<210> 1
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<212> DNA
<213> Ovis aries

<220>
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atg aac aaa agt ggt ttt ctt att ttc tgc ctt atc ctt ctg act ctg 107
Met Asn Lys Ser Gly Phe Leu Ile Phe Cys Leu Ile Leu Leu Thr Leu
1 5 10 15

agt caa ggc ata cct ctc tct agg aac aca cgc tgc acc tgc atc gag 155
Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu
20 25 30

atc agt aat gga tct gtt aat cca agg tcc tta gaa aaa ctt gaa ctg 203
Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu
35 40 45

att cct gca agt caa tcc tgc cca cgt gtc gag att att gcc aca atg 251
Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met
50 55 60

aaa agg aat ggg gag aaa aga tgt ctg aat cca gaa tct aag acc atc 299
Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile
65 70 75 80

aag aat tta ctg aaa gca att aac aag caa agg act aaa aga tct cct 347
Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro
85 90 95

cga aca cag aaa gag gca taa tcactgcact actgataaga tggaccagag 398
Arg Thr Gln Lys Glu Ala
100

agaagctacc tctacaattg tttccctgtg tacagtatat gtcaagccct aattgttcgt 458

ggacttcagt tctcctaaaa ggtgaccaag ccagtcacca aatcagctgc tactactcct 518

gcaggggggag ggtggctcat caccctgagc tgttcagtag tgactctgcc ctggcactgt 578

gactgtaagc tataccgggg cgctacgttc tcagttaatg tgctaagtcc cagccttgct 638

actgacagct tcttcccctt tccaatcttt ctaggttatt aagggatctt tccagctctg 698

ggcttattag agaccttagg atctcaaata actaagagac attcaaacca ataatgcaat 758

ctgcttttta aagaaagatc tttactccag gggcttcact gccatccctc caaggggccc 818

gtattctttc aggtgttatg tacatagttc caaatataca gaagcagcca gaaatatctg 878

gaaatgtagg tctaaacagt attacttagt caaaaactat acaaagtaga attcttgaag 938

atatatgttt cttatatgat tttcagtgtt catggaataa cttgtataca actatcaact 998

tatgtaatta ttgcaatgga ataaattttt aaatttagat acatgttctg caggctatgt 1058

aagacaaata tgctaaatgc tttccaaaat aaaagtaatg ttctctccca gaaatactaa 1118

gaaagattat gtaattgttt tagaggccaa aaacataata aataattata act 1171

<210> 2
<211> 102
<212> PRT
<213> Ovis aries

<400> 2

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Met Asn Lys Ser Gly Phe Leu Ile Phe Cys Leu Ile Leu Leu Thr Leu
  1               5                  10                  15

Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu
             20                  25                  30

Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu
         35                  40                  45

Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met
     50                  55                  60

Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile
 65                  70                  75                  80

Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro
                 85                  90                  95

Arg Thr Gln Lys Glu Ala
            100
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<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 3

cactcctcaa ctcttcaggc 20

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 4
ccattccttt tcattgtggc 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 5
gcatcagctt cgatcggtac 20

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

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to act as a primer for PCR

<400> 6
gatgcgggcg tagcaatagg 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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to act as a primer for PCR

<400> 7
catcttcccc atggccttcg 20

<210> 8
<211> 20
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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 8
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<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

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to act as a primer for PCR

<400> 9
cgatgaaata cacaagctcc 20

<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 10
gattacattg atgctctccg 20

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 11
atggggaagg tgaaggtcgg 20

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 12
atgtgggcca tgaggtccac 20

<210> 13
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 13
atggggaagg tgaaggtcgg 20

<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 14
atgtgggcca tgaggtccac 20

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 15
atggagccct cagacatccc 20

<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 16
gaggatctcc acgtagcaga 20

<210> 17
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 17
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<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide

to act as a primer for PCR

<400> 18
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<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 19
gaagcaggaa agagagcctg 20

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 20
ctatatccgt ggctcctttc 20

<210> 21
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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to act as a primer for PCR

<400> 21
ctcaaatcca gccacagcag 20

<210> 22
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 22
ccagcgaagt gaaacacagc 20

<210> 23
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 23
agattggaga cacggtgagc 20

<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 24
gtacttgaaa gtgatcttgc 20

<210> 25
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
to act as a primer for PCR

<400> 25
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<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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to act as a primer for PCR

<400> 26
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<210> 27
<211> 102
<212> PRT
<213> CAPRINE

<400> 27

Met Asn Thr Ser Gly Phe Leu Ile Phe Cys Leu Ile Leu Leu Thr Leu
1 5 10 15

Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu
20 25 30

Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu
35 40 45

```
Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met
    50                  55                  60

Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile
65                  70                  75                  80

Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro
                85                  90                  95

Arg Thr Arg Lys Glu Ala
            100
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<210> 28
<211> 98
<212> PRT
<213> HUMAN

<400> 28

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Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
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Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
            20                  25                  30

Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
        35                  40                  45

Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
    50                  55                  60

Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
65                  70                  75                  80

Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Met Ser Lys Arg
                85                  90                  95

Ser Pro
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<210> 29
<211> 98
<212> PRT
<213> MOUSE

<400> 29

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Met Asn Pro Ser Ala Ala Val Ile Phe Cys Leu Ile Leu Leu Gly Leu
1               5                   10                  15

Ser Gly Thr Gln Gly Ile Pro Leu Ala Arg Thr Val Arg Cys Asn Cys
            20                  25                  30
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Ile His Ile Asp Asp Gly Pro Val Arg Met Arg Ala Ile Gly Lys Leu
35 40 45

Glu Ile Ile Pro Ala Ser Leu Ser Cys Pro Arg Val Glu Ile Ile Ala
50 55 60

Thr Met Lys Lys Asn Asp Glu Gln Arg Cys Leu Asn Pro Glu Ser Lys
65 70 75 80

Thr Ile Lys Asn Leu Met Lys Ala Phe Ser Gln Lys Arg Ser Lys Arg
85 90 95

Ala Pro

<210> 30
<211> 7
<212> PRT
<213> ARTIFICIAL

<220>
<223> Synthetic peptide

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Gly Arg Gly Asp Ser Pro Lys

<210> 31
<211> 4
<212> PRT
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<220>
<223> Synthetic peptide

<400> 31

Arg Gly Glu Ser